4.0 References

40 CFR 61. National Emission Standards for Hazardous Air Pollutants: Radionuclides, U.S. Environmental Protection Agency, *Code of Federal Regulations*.

Barcelona, M.J., H.A. Wehrmann, and M.D. Varljen, 1994. "Reproducible Well-Purging Procedures and VOC Stabilization Criteria for Ground-Water Sampling," *Ground Water*, 32(1), January–February.

Barcelona, M., 1997. Letter to California State Water Resources Control Board, in Flood, Floyd 1997: "Regulatory Board Duped by Flawed Study," June, http://www.grac.org/summer97/regulatory.htm

Barcelona, M.J., M.D. Varljen, R.W. Puls, and D. Kaminski, 2005. "Ground Water Purging and Sampling Methods: History vs. Hysteria," *Ground Water Monitoring and Remediation*, 25(1), Winter.

Blaustein, A.R. and D.B. Wake, 1995. "The puzzle of declining amphibian populations," *Scientific American*, 272(4):52–57.

Boylan, J.A., 2004. "Chemical Artifacts of Sampling Methods in Groundwater," in *Geological Society of America Abstracts with Programs*, 36(5):242, Oral Paper no. 99-10, http://gsa.confex.com/gsa/2004AM/finalprogram/abstract_74878.htm

Cal/EPA (California Environmental Protection Agency), 2006. Representative Sampling of Groundwater for Hazardous Substances: Guidance Manual for Groundwater Investigations. Department of Toxic Substances Control, July 1995, revised June 2006.

Carter, R.W. and J. Davidian, 1968. *General Procedure for Gaging Streams: U.S. Geological Survey Techniques of Water-Resources Investigations*, Book 3, Chapter A6.

CDPHE, DOE, and EPA (Colorado Department of Public Health and Environment, U.S. Department of Energy, and U.S. Environmental Protection Agency), 1996. *Final Rocky Flats Cleanup Agreement*, Federal Facility Agreement and Consent Order, CERCLA VIII-96-21 RCRA (3008(h)) VIII-96-01, State of Colorado Docket #96-07-19-01, July 19.

CDPHE, DOE, and EPA(Colorado Department of Public Health and Environment, U.S. Department of Energy, and U.S. Environmental Protection Agency), 2003. Final RFCA Attachment 5, "RFETS Action Levels and Standards Framework for Surface Water, Ground Water, and Soils," May 28.

CNHP (Colorado Natural Heritage Program), 1994. *Natural Heritage Resources of the Rocky Flats Environmental Technology Site and Their Conservation*, Phase 1: Rock Creek, Final Report, Colorado Natural Heritage Program, Colorado State University, Fort Collins, Colorado.

CNHP (Colorado Natural Heritage Program), 1995. *Natural Heritage Resources of the Rocky Flats Environmental Technology Site and Their Conservation*, Phase 2: The Buffer Zone, Final Report, Colorado Natural Heritage Program, Colorado State University, Fort Collins, Colorado.

- DOE (U.S. Department of Energy), 2001. *Major Modification to the Operable Unit 1: 881 Hillside Area Corrective Action Decision/Record of Decision*, Golden, Colorado, January.
- DOE (U.S. Department of Energy), 2004. *Final Interim Measures/Interim Remedial Action for IHSS 114 and RCRA Closure of the RFETS Present Landfill*, "Appendix B: Post-Accelerated Action Monitoring and Long-Term Surveillance and Monitoring Considerations," Golden, Colorado.
- DOE (U.S. Department of Energy), 2005a. Final Interim Measure/Interim Remedial Action for the Original Landfill, March.
- DOE (U.S. Department of Energy), 2005b. *Rocky Flats, Colorado, Site Revegetation Plan*, U.S. Department of Energy, Rocky Flats Office of Legacy Management, Broomfield, Colorado, December.
- DOE (U.S. Department of Energy), 2005c. *Rocky Flats, Colorado, Site Vegetation Management Plan*, U.S. Department of Energy, Rocky Flats Office of Legacy Management, Broomfield, Colorado, December.
- DOE (U.S. Department of Energy), 2006a. Final Landfill Monitoring and Maintenance Plan, Rocky Flats Environmental Technology Site, Original Landfill, Rocky Flats Environmental Technology Site, Golden, Colorado, February.
- DOE (U.S. Department of Energy), 2006b. *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan*, Rocky Flats Environmental Technology Site, Golden, Colorado, May.
- DOE (U.S. Department of Energy), 2006c. *Rocky Flats Site 2006 Integrated Monitoring Plan Background Document*, July.
- DOE (U.S. Department of Energy), 2006d. Rocky Flats Site 2006 Integrated Monitoring Plan Summary Document, July.
- DOE (U.S. Department of Energy), 2006e. Rocky Flats Site Annual Report of Site Surveillance and Maintenance Activities, Calendar Year 2005, June.
- DOE (U.S. Department of Energy), 2006f. Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit, September.
- DOE (U.S. Department of Energy), 2006g. Rocky Flats Site Quarterly Report of Site Surveillance and Maintenance Activities, Second Quarter Calendar Year 2006, September.
- DOE (U.S. Department of Energy), 2007a. *Emergency Response Plan for Rocky Flats Site Dams*, February.
- DOE (U.S. Department of Energy), 2007b. Erosion Control Plan for the Rocky Flats Property Central Operable Unit, July.

- DOE (U.S. Department of Energy), 2007c. Operations and Maintenance Manual for the Rocky Flats Ground Water Treatment Systems, June.
- DOE (U.S. Department of Energy), 2007d. *Rocky Flats Legacy Management Agreement*, March 14.
- DOE (U.S. Department of Energy), 2007e. Rocky Flats Site Annual Report of Site Surveillance and Maintenance Activities, Calendar Year 2006, DOE-LM/1455-2007, April.
- DOE (U.S. Department of Energy), 2007f. Rocky Flats Site Operations Guide, February.
- DOE (U.S. Department of Energy), 2007g. Rocky Flats Site Quarterly Report of Site Surveillance and Maintenance Activities, First Quarter Calendar Year 2007, July.
- DOE (U.S. Department of Energy), 2007h. Rocky Flats Site Quarterly Report of Site Surveillance and Maintenance Activities, Second Quarter Calendar Year 2007, October.
- DOE (U.S. Department of Energy), 2008a. Rocky Flats Site Quarterly Report of Site Surveillance and Maintenance Activities, Third Quarter Calendar Year 2007, January.
- DOE (U.S. Department of Energy), 2008b. *Annual Rocky Flats Site Ecological Field Sampling Plan*, in production.
- DOE (U.S. Department of Energy), 2008c. *Ecological Monitoring Methods Handbook*, Office of Legacy Management, Grand Junction, Colorado, in production.
- DOE (U.S. Department of Energy), 2008d. *Operations and Maintenance Plan for Rocky Flats Surface Water Control Project*, in production.
- EG&G, 1995a. *Hydrogeologic Characterization Report, Volume 2 of the Sitewide Geoscience Characterization Study*, EG&G Rocky Flats, Golden, Colorado, February.
- EG&G, 1995b. Geologic Characterization Report, Volume 1 of the Sitewide Geoscience Characterization Study, EG&G Rocky Flats, Golden, Colorado, February.
- EPA (U.S. Environmental Protection Agency), 1991. *Guidance on Implementing the Radionuclide NESHAPS*, Office of Radiation Programs, Washington, D.C., July.
- EPA (U.S. Environmental Protection Agency), 1998. Low Stress (Low Flow) Purging and Sampling, Final. Region II, March 16.
- EPA (U.S. Environmental Protection Agency), 2002. *Ground Water Forum Issue Paper: Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers*, Douglas Yeskis and Bernard Zavala, authors. Technology Innovative Office, Technical Support Project, Office of Solid Waste and Emergency Response, Washington, D.C., May.
- Friedlander, G., J.W. Kennedy, E.S. Macias, and J.M. Miller, 1981. *Nuclear and Radiochemistry*, 3rd Edition. John Wiley and Sons.

GPFA (Great Plains Flora Association), 1986. *Flora of the Great Plains*, 2nd printing with 1991 supplement, University Press of Kansas, Lawrence, Kansas, 1402 p.

Janecky, D.R., 2006. "Quantitative Evaluation of Mixture Components in RFETS Uranium Isotopic Analyses," in DOE 2006, RCRA Facility Investigation – Remedial Investigation / Corrective Measures Study – Feasibility Study Report for the Rocky Flats Environmental Technology Site, June, Attachment 3 to Section 8.

Janecky, D.R., M. Murrell, and D. Norman, 2007. *Thermal Ionization Mass Spectrometry Uranium Results for October 2007 RFETS Waters*, LA-UR-07-7737, LANL, December.

Kaminski, D., 2003. "Groundwater Sampling: Improve Sample Quality and Reduce Costs Using Low-Flow," *Pollution Engineering*, May 1.

http://www.pollutionengineering.com/Articles/Cover_Story/2a264140bdd68010VgnVCM10000 0f932a8c0

Kaminski, D., 2006. "Low-Flow Ground Water Sampling: An Update on Proper Application and Use," David Kaminski/QED Environmental Systems, Inc.

K-H (Kaiser-Hill Company, LLC), 2000a. Quarterly Report for the Rocky Flats Groundwater Plume Treatment Systems: January through March 2000, March 30.

K-H (Kaiser-Hill Company, LLC), 2000b. Quarterly Report for the Rocky Flats Groundwater Plume Treatment Systems: April through June 2000, June 30.

K-H (Kaiser-Hill Company, LLC), 2000c. Quarterly Report for the Rocky Flats Groundwater Plume Treatment Systems: July through September 2000, September 30.

K-H (Kaiser-Hill Company, LLC), 2000d. Quarterly Report for the Rocky Flats Groundwater Plume Treatment Systems: October through December 2000, December 31.

K-H (Kaiser-Hill Company, LLC), 2001a. Annual Report for the Rocky Flats Environmental Technology Site Groundwater Plume Treatment Systems: January through December 2001, March 27.

K-H (Kaiser-Hill Company, LLC), 2001b. Final PU&D Yard Plume Enhanced Natural Attenuation Treatability Study Report, September.

K-H (Kaiser-Hill Company, LLC), 2002. Annual Report for the Rocky Flats Environmental Technology Site Groundwater Plume Treatment Systems: January through December 2001, March.

K-H (Kaiser-Hill Company, LLC), 2003. Annual Report for the Rocky Flats Environmental Technology Site Groundwater Plume Treatment Systems: January through December 2002, May 2.

- K-H (Kaiser-Hill Company, LLC), 2004a. Evaluation of Natural Attenuation and Biodegradation Potential of Chlorinated Aliphatic Hydrocarbon Compounds in Groundwater at Rocky Flats, March.
- K-H (Kaiser-Hill Company, LLC), 2004b. Final 2002 Annual Rocky Flats Cleanup Agreement (RFCA) Groundwater Monitoring Report for the Rocky Flats Environmental Technology Site, RFETS-2002-RFCA-GWMR, February.
- K-H (Kaiser-Hill Company, LLC), 2004c. Final Fate and Transport Modeling of Volatile Organic Compounds at Rocky Flats Environmental Technology Site, Golden, Colorado, April.
- K-H (Kaiser-Hill Company, LLC), 2004d. *Statistical Methods for Trending Groundwater Quality Data*, 04-RF-01164, November.
- K-H (Kaiser-Hill Company, LLC), 2004e. *Uranium in Surface Soil, Surface Water, and Groundwater at the Rocky Flats Environmental Technology Site*, June.
- K-H (Kaiser-Hill Company, LLC), 2005a. Annual Report for the Rocky Flats Environmental Technology Site Groundwater Treatment Systems: January 2003 through December 2004, August.
- K-H (Kaiser-Hill Company, LLC), 2005b. Closure Report for IHSS Group 900-2 (IHSS 900-153 Oil Burn Pit #2, and IHSS 900-154 Pallet Burn Site), June.
- K-H (Kaiser-Hill Company, LLC), 2005c. *Interim Measures/Interim Remedial Action for Groundwater at the Rocky Flats Environmental Technology Site*, Golden, Colorado, June.
- K-H (Kaiser-Hill Company, LLC), 2005d. Rocky Flats Environmental Technology Site Integrated Monitoring Plan FY05, Background Document, Revision 1, September.
- K-H (Kaiser-Hill Company, LLC), 2005e. Rocky Flats Environmental Technology Site Integrated Monitoring Plan FY05, Summary Document, Revision 1, September.
- K-H (Kaiser-Hill Company, LLC), 2005f. Annual Report for the Rocky Flats Environmental Technology Site Groundwater Plume Treatment Systems: January through December 2003, January 31.
- Negrao, P. and D.B. Kaminski, 2007. *Low-Flow/Low-Volume Purging and Sampling of Ground-Water Monitoring Wells Performance and Application Criteria*, in Proceedings, International Association of Hydrogeologists: XXXV IAH Congress. Lisbon, September.
- Newell, C.J., R.S. Lee, and A.H. Spexet, 2000. *No-Purge Groundwater Sampling: An Approach for Long-Term Monitoring*, American Petroleum Institute, No. 12, October, http://apiep.api.org/filelibrary/bulletin12.pdf

Puls, R.W. and M.J. Barcelona, 1996. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, U.S. EPA Superfund Technology Support Center for Ground Water, Technology Innovation Office, Office of Solid Waste and Emergency Response, Washington, D.C. EPA/540/S-95/504, April.

Rantz, S.E., 1982a. *Measurement and Computation of Streamflow: Volume 1. Measurement of Stage and Discharge*, U.S. Geological Survey Water-Supply Paper 2175, U.S. Department of the Interior, U.S. Government Printing Office, Washington, D.C.

Rantz, S.E., 1982b. *Measurement and Computation of Streamflow: Volume 2. Computation of Discharge*, U.S. Geological Survey Water-Supply Paper 2175, U.S. Department of the Interior, U.S. Government Printing Office, Washington, D.C.

RMRS (Rocky Mountain Remediation Services), 2000. Final 1999 Annual RFCA Groundwater Monitoring Report for the Rocky Flats Environmental Technology Site, 00-RF-03112, November.

Safe Sites, 2001. Final 2000 Annual RFCA Groundwater Monitoring Report for the Rocky Flats Environmental Technology Site, November.

Safe Sites, 2002. Final 2001 Annual RFCA Groundwater Monitoring Report for the Rocky Flats Environmental Technology Site, 02-RF-01873, November.

Sanitas Technologies, 2007. *Sanitas™ for Ground Water*, Version 8.7, Olathe, Kansas.

State of Colorado, 2005. 2 CCR 402-2: Rules and Regulations for Water Well Construction, Pump Installation, Cistern Installation, and Monitoring and Observation Hole/Well Construction (Water Well Construction Rules). State of Colorado, Office of the State Engineer, State Board of Examiners of Water Well Construction and Pump Installation Contractors. January 1.

STO 6. *Environmental Procedures Catalog*, continuously updated, prepared by S.M. Stoller Corporation for the U.S. Department of Energy, Grand Junction, Colorado.

USFWS (U.S. Fish and Wildlife Service), 2005. *Rocky Flats National Wildlife Refuge Comprehensive Conservation Plan and Environmental Impact Statement*, Rocky Mountain Arsenal, Commerce City, Colorado, June.

Vandenberg, P. and M. Varljen, 2000. *Low-flow Purging and Sampling of Groundwater at a Solid Waste Landfill: Planning and Implementation*, in Proceedings of the Solid Waste Association of North America 15th Annual Pacific Northwest Regional Symposium, Vancouver B.C., April.

Weber, W.A., 1976. *Rocky Mountain Flora*, Colorado Associated University Press, Boulder, Colorado.

Rocky Flats Annual Report of Site Surveillance and Maintenance Activities—CY 2007 Doc. No. S0394700

Weber, W.A., 1990. *Colorado Flora: Eastern Slope*, University Press of Colorado, Niwot, Colorado.

WSPA (Western States Petroleum Association), 1996. *The California Well Purging Study*, October, http://www.sibak.com/Library/0025.htm